

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 February 2004 (12.02.2004)

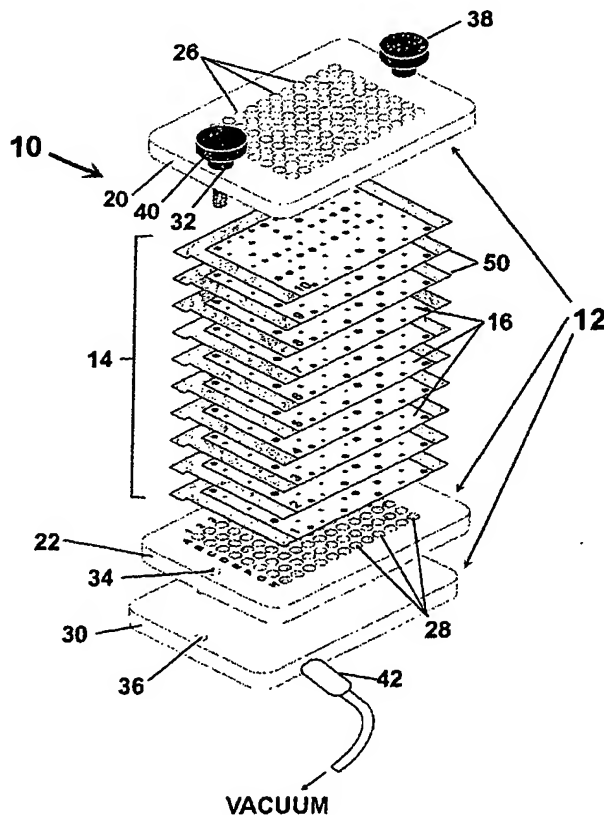
PCT

(10) International Publication Number
WO 2004/013607 A2

- (51) International Patent Classification⁷: **G01N** Technology Transfer, 6011 Executive Blvd., Suite 325, Rockville, MD 20852-3804 (US).
- (21) International Application Number: **PCT/US2003/024225**
- (22) International Filing Date: **1 August 2003 (01.08.2003)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
60/400,874 2 August 2002 (02.08.2002) US
- (71) Applicants (*for all designated States except US*): **20/20 GENESYSTEMS, INC. [US/US]; 9700 Great Seneca Highway, Rockville, MD 20850 (US). THE GOVERNMENT OF THE UNITED STATES AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES [US/US]; National Institutes of Health, Office of**
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **KNEZEVIC, Vladimir [HR/US]; 27 Story Drive, Gaithersburg, MD 20878 (US). HARTMANN, Dan-Paul [US/US]; 10302 Rossmore Court, Bethesda, MD 20814 (US). EM-MERT-BUCK, Michael, R. [US/US]; 13620 Cedar Creek Lane, Silver Spring, MD 20904 (US).**
- (74) Agent: **HARDING, Tanya, M.; Klarquist, Sparkman, LLP, One World Trade Center, Suite 1600, 121 SW Salmon Street, Portland, OR 97204 (US).**
- (81) Designated States (*national*): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,**

[Continued on next page]

(54) Title: **METHODS, DEVICES AND KITS FOR MULTIPLEX BLOTTING OF BIOLOGICAL SAMPLES FROM MULTI-WELL PLATES**



(57) Abstract: The present disclosure provides methods, devices and kits that permit large numbers of target biomolecules to be detected simultaneously in samples originating from a multi-sample holder, such as multi-well plate. One specific example method is a method of making multiple substantial replicas of a biomolecular content of a multi-well sample holder. Devices and kits for carrying out the described methods are also provided.



SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.